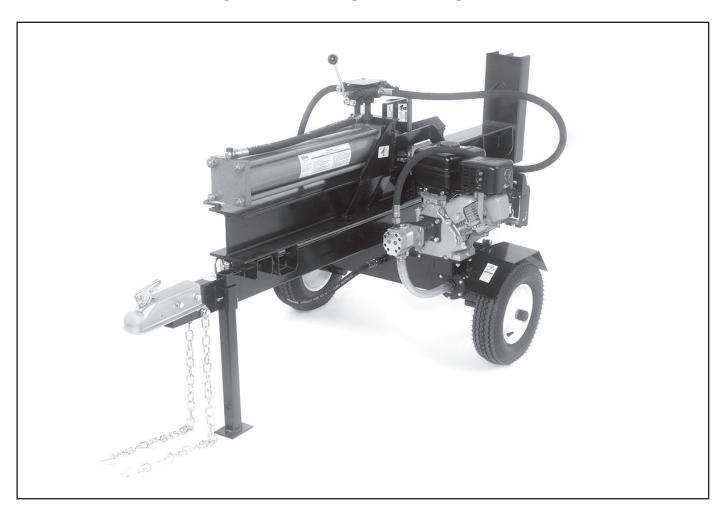


MODEL G0639 22-TON HYDRAULIC LOG SPLITTER

OWNER'S MANUAL



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WARNING: NO PORTION OF THIS MANUAL MAY BE REPRODUCED IN ANY SHAPE
OR FORM WITHOUT THE WRITTEN APPROVAL OF GRIZZLY INDUSTRIAL, INC.
#CR9072 PRINTED IN CHINA



This manual provides critical safety instructions on the proper setup, operation, maintenance and service of this machine/equipment.

Failure to read, understand and follow the instructions given in this manual may result in serious personal injury, including amputation, electrocution or death.

The owner of this machine/equipment is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, blade/cutter integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.

WARNING!

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

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INTRODUCTION

Foreword

We are proud to offer the Model G0639 22-Ton Hydraulic Log Splitter. This machine is part of a growing Grizzly family of fine equipment. When used according to the guidelines set forth in this manual, you can expect years of trouble-free, enjoyable operation and proof of Grizzly's commitment to customer satisfaction.

The specifications, drawings, and photographs illustrated in this manual represent the Model G0639 when the manual was prepared. However, owing to Grizzly's policy of continuous improvement, changes may be made at any time with no obligation on the part of Grizzly.

For your convenience, we always keep current Grizzly manuals available on our website at **www.grizzly.com**. Any updates to your machine will be reflected in these manuals as soon as they are complete. Visit our site often to check for the latest updates to this manual!

Contact Info

If you have any comments regarding this manual, please write to us at the address below:

Grizzly Industrial, Inc.

c/o Technical Documentation Manager
P.O. Box 2069
Bellingham, WA 98227-2069
Email: manuals@grizzly.com

We stand behind our machines. If you have any service questions or parts requests, please call or write us at the location listed below.

Grizzly Industrial, Inc.
1203 Lycoming Mall Circle
Muncy, PA 17756
Phone: (570) 546-9663
Fax: (800) 438-5901
E-Mail: techsupport@grizzly.com
Web Site: http://www.grizzly.com

If you have service or troubleshooting questions, or you need parts for your log splitter engine, please contact Briggs & Stratton Corporation at the location listed below.

Briggs & Stratton Corporation Milwakee, Wisconsin 53201 In the USA, Phone: (800) 233-3723 Web Site: http://www.briggsandstratton.com





Product Dimensions:

MACHINE DATA SHEET

Customer Service #: (570) 546-9663 • To Order Call: (800) 523-4777 • Fax #: (800) 438-5901

MODEL G0639 22-TON HYDRAULIC LOG SPLITTER

Pro	duct Dimensions:	
	Weight	560 lbs.
	Overall Length/Width/(Raised Height), (Lowered Height)	88" x 40" x (71"), (45")
Shi	pping Dimensions:	
	Type	
	• •	Single Unit
	Length/Width/Height	74" x 19" x 17"
Eng	gine Information:	
	Manufacturer	Briggs & Stratton
	Family	6BSXS.2051HC 276719
	Model	l/C6.5 Industrial/Commercial
	Cylinder Type	Dura-Bore Cast Iron Sleeve
	Main Bearing Type	Dual Ball Bearing
	Valve Style	Overhead
	Cylinders	Single
	Cylinder Head	Hi-Flow
	Displacement	206 cc, 12.57 cubic in.
	Bore	2.69 cu/in
	Stroke	2.20 in
	Oil Capacity (Shipped Empty)	20 Oz
	Fuel Capacity (Shipped Empty)	1 Gallon
	Air Cleaner	High Capacity Dual-Clean
	Lubrication	Splash Lubrication
	Shipped with Oil	No
	Ignition	Magnetron
	Governor	Mechanical
		Lo-Tone
	Fuel Shutoff Valve	Yes
	Weight	
Hyd	draulic Information:	
	Maximum Pump Pressure	3000 PSI
	Maximum Pump Flow	8 GPM
	Hydraulic Fluid Capacity (Shipped Empty)	
	Hydraulic Fluid Type	10W AW32, ASLE H-150, or ISO32
	Pump Pressure Relief Setting	3000 PSI
		4" Dia
		24"
		Power Splitting, Neutral, and Power Retracting
	Filter Type	Reusable Tank Screen
	Tambo Tama	\/a.a.t.a.al



Chassis:

	Type	All Steel
	Tow Ball Receiver	
		Steel and Tubeless Tires (4.80/4.00-8)
		Bushing
		Not Street Legal, Under 12 MPH, Off Road Only
Othe	Specifications:	
	Country Of Origin	
	Warranty	1 Year
	Serial Number Location	ID Label on Hydraulic Cylinder
	Assembly Time	1.5 Hrs.

Features:

Heavy Duty Construction Power Splitter Retract 24" Splitting Stroke 22-Ton Splitter Load



Identification

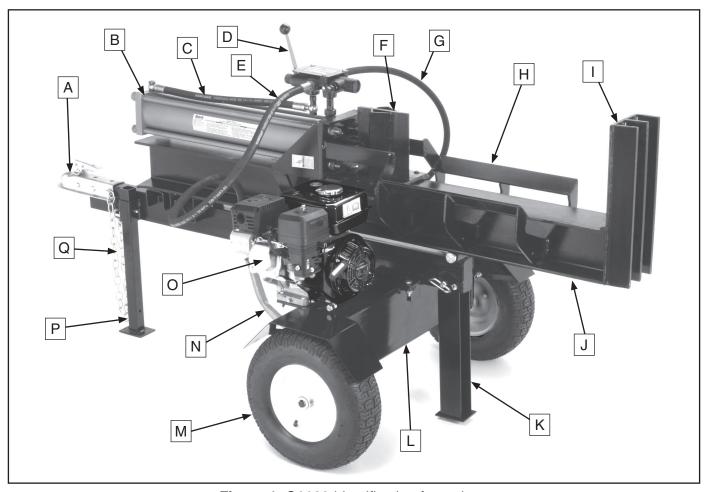


Figure 1. G0639 identification front view.

- A. 2" Tow Ball Receiver
- **B.** 4" Hydraulic Cylinder Assembly
- C. Transfer Hose
- D. Control Lever and Valve
- E. High Pressure Hydraulic Line
- F. Splitter Wedge
- **G.** Low Pressure Hydraulic Return Line
- H. Log Cradle
- I. Splitter Foot

- J. Splitter Beam
- K. Rear Landing Leg
- L. Hydraulic Tank
- M. Tubeless Tire
- N. Low Pressure Hydraulic Suction Line
- O. Briggs & Stratton Gasoline Engine
- P. Front Landing Leg
- Q. Breakaway Safety Chain



SECTION 1: SAFETY

AWARNING

For Your Own Safety, Read Instruction **Manual Before Operating this Machine**

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures.



Indicates an imminently hazardous situation which, if not avoided, ADANGER Indicates an imminently nazardous sit WILL result in death or serious injury.

AWARNING Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

ACAUTION

Indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury. It may also be used to alert against unsafe practices.

NOTICE

This symbol is used to alert the user to useful information about proper operation of the machine.

AWARNING Safety Instructions for Machinery

- 1. READ THE ENTIRE MANUAL BEFORE **STARTING MACHINERY.** Machinery presents serious injury hazards to untrained users.
- 2. ALWAYS USE ANSI APPROVED SAFETY GLASSES WHEN OPERATING MACHINERY. Everyday eyeglasses only have impact resistant lenses-they are NOT safety glasses.
- 3. ALWAYS WEAR A NIOSH APPROVED RESPIRATOR WHEN OPERATING MACHINERY THAT PRODUCES DUST. Wood dust can cause severe respiratory illnesses.

- 4. ALWAYS USE HEARING PROTECTION OPERATING MACHINERY. WHEN Machinery noise can cause permanent hearing loss.
- 5. WEAR PROPER APPAREL. DO NOT wear loose clothing, gloves, neckties, rings, or jewelry that can catch in moving parts. Wear protective hair covering to contain long hair and wear non-slip footwear.
- 6. NEVER OPERATE MACHINERY WHEN TIRED OR UNDER THE INFLUENCE OF DRUGS OR ALCOHOL. Be mentally alert at all times when running machinery.



AWARNING Safety Instructions for Machinery

- ONLY ALLOW TRAINED AND PROP-ERLY SUPERVISED PERSONNEL TO OPERATE MACHINERY. Make sure operation instructions are safe and clearly understood.
- KEEP CHILDREN AND VISITORS AWAY.
 Keep all children and visitors a safe distance from the work area.
- MAKE WORKSHOP CHILDPROOF. Use padlocks, master switches, and remove start switch keys.
- **10. NEVER LEAVE WHEN MACHINE IS RUNNING.** Turn power *OFF* and allow all moving parts to come to a complete stop before leaving machine unattended.
- **11. DO NOT USE IN DANGEROUS ENVIRONMENTS.** DO NOT use machinery in damp, wet locations, or where any flammable or noxious fumes may exist.
- 12. KEEP WORK AREA CLEAN AND WELL LIGHTED. Clutter and dark shadows may cause accidents.
- 13. USE A GROUNDED EXTENSION CORD RATED FOR THE MACHINE AMPERAGE.
 Grounded cords minimize shock hazards.
 Undersized cords create excessive heat.
 Always replace damaged extension cords.
- 14. ALWAYS DISCONNECT FROM POWER SOURCE BEFORE SERVICING MACHINERY. Make sure switch is in OFF position before reconnecting.
- **15. MAINTAIN MACHINERY WITH CARE.** Keep blades sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
- 16. MAKE SURE GUARDS ARE IN PLACE AND WORK CORRECTLY BEFORE USING MACHINERY.

- 17. REMOVE ADJUSTING KEYS AND WRENCHES. Make a habit of checking for keys and adjusting wrenches before turning machinery *ON*.
- 18. CHECK FOR DAMAGED PARTS BEFORE USING MACHINERY. Check for binding or misaligned parts, broken parts, loose bolts, and any other conditions that may impair machine operation. Repair or replace damaged parts before operation.
- **19. USE RECOMMENDED ACCESSORIES.** Refer to the instruction manual for recommended accessories. Improper accessories increase risk of injury.
- **20. DO NOT FORCE MACHINERY.** Work at the speed for which the machine or accessory was designed.
- 21. SECURE WORKPIECE. Use clamps or a vise to hold the workpiece when practical. A secured workpiece protects your hands and frees both hands to operate the machine.
- **22. DO NOT OVERREACH.** Maintain stability and balance at all times.
- 23. MANY MACHINES CAN EJECT WORKPIECES TOWARD OPERATOR. Know and avoid conditions that cause the workpiece to "kickback."
- 24. ALWAYS LOCK MOBILE BASES (IF USED) BEFORE OPERATING MACHINERY.
- 25. CERTAIN DUST MAY BE HAZARDOUS to the respiratory systems of people and animals, especially fine dust. Be aware of the type of dust you are exposed to and always wear a respirator designed to filter that type of dust.



AWARNING

Additional Safety Instructions for Hydraulic Log Splitters

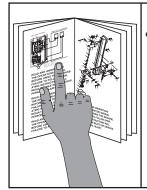
- PROTECTING CHILDREN. Keep children away from the log splitter at all times! It is not a toy. Never allow any child to climb onto the log splitter.
- 2. ADEQUATE VENTILATION. The log splitter engine produces carbon monoxide, which is a poisonous gas. Make sure the work area is adequately ventilated. Never operate this machine indoors or in any type of enclosed area including a carport.
- HOT ENGINE. Motor parts get hot during operation. Allow to cool before placing hands near motor, adding fuel, or performing any service or maintenance.
- **4. FUEL SPILLS.** Fuel exposed to hot engine components may ignite. Thoroughly clean all fuel spills before starting the engine.
- 5. FLUID INJECTION. Fluid pressures developed from this machine are up to 3000 PSI, which are high enough to penetrate your skin and enter your bloodstream. Hydraulic fluid injected into your bloodstream is a medical emergency. If not treated immediately, this blood poisoning could result in an aggressive infection, amputation, or death. Keep body parts away from any high pressure hydraulic leak.
- 6. TROUBLESHOOTING. Some high pressure streams can be almost invisible to the naked eye. If you suspect a hydraulic leak, DO NOT use your hand or fingers to locate it. Instead keep your skin at least 12" away from potential leaking areas and move a strip of cardboard to the areas where the leak may exist and watch to see if hydraulic oil is sprayed onto the cardboard.

- 7. HYDRAULIC PRESSURE RELIEF VALVE. Adjusting the pressure limit screw may lead to a hydraulic explosion and seriously injure the operator and bystanders. The pressure relief valve is factory set and should not be adjusted unless by a professional hydraulic technician.
- 8. TOWING. This log splitter is not designed to be towed on logging roads, forest service roads, public roads, or highways. This machine is designed for job site towing only where maximum speed will not exceed 12 MPH.
- CORRECT USAGE. Never split wood across the grain or use the log splitter to split concrete blocks, rocks, or to bend metal.
- 10. WORKPIECE SELECTION. Logs with extensive knotting may be difficult or impossible to split. Making repeated attempts to split an unsuitable log will increase wear on the pressure relief valve, hydraulic lines, and increase the risk of operator injury.
- 11. CORRECT USAGE. Never attempt to split more than one log at a time. Doing so may cause logs to fly off the splitter with great force, resulting in serious injury or death.
- 12. SUPPORTING LOGS BY HAND. Never use any part of your body to guide or steady a log when the ram is moving. Failure to follow this instruction can result in serious personal injury, including loss of limbs.
- 13. MACHINE LOCATION. Never leave the splitter unattended and running, always block the wheels to prevent rolling, and store the unit in a locked location.



SECTION 2: SETUP

Setup Safety



AWARNING

This machine presents serious injury hazards to untrained users. Read through this entire manual to become familiar with the controls and operations before starting the machine!



AWARNING

Wear safety glasses during the entire setup process and during operations!



AWARNING

Wear gloves during the entire setup process and during operations!



WARNING

This log splitter is heavy. Get help whenever tilting the hydraulic ram and beam back and forth between the horizontal and vertical positions.

Items Needed for Setup

The following items are needed to complete the setup process, but are not included with your machine:

Ne	eded Items	Qty.
•	Hoist 1000 lb. Min. Capacity	1
•	Lifting Straps 1000 lb. Min. Capacity	2
•	Safety Glasses for Each Person	.1 Ea
•	Pair of Gloves for Each Person	.1 Ea
•	Combination Wrench Set, 10-18mm	.1 Ea
•	Screwdrivers #2 Standard	2

Unpacking

Your machine was carefully packaged for safe transportation. Remove the packaging materials from around your machine and inspect it. If you discover the machine is damaged, please immediately call Customer Service at (570) 546-9663 for advice.

Save the containers and all packing materials for possible inspection by the carrier or its agent. Otherwise, filing a freight claim can be difficult.

When you are completely satisfied with the condition of your shipment, inventory the contents.



Inventory

After all the parts have been removed from the shipping crate, you should have the following:

Box	Contents (Figure 2):	Qty
A.	Hydraulic Tank	1
B.	Hydraulic Cylinder and Beam Assembly	1
C.	Briggs & Stratton Engine	1
D.	Wheel & Tire	2
E.	Briggs & Stratton Engine Manual	1
F.	Fenders	2
G.	Frame Tube Assembly	1
H.	Rear Landing Leg	1
I.	Tow Ball Receiver	1
J.	Front Landing Leg	1
K.	Breakaway Safety Chains with Hooks	2

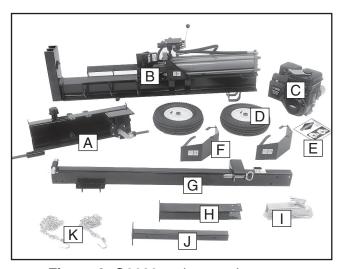


Figure 2. G0639 main parts inventory.

Har	dware Bag Contents (Figure 3):	Qty
L.	Hub Caps (Wheels)	2
M.	Flat Washers 20mm (Wheels)	2
N.	Cotter Pins 3 X 30mm (Wheels)	2
О.	Hex Bolts M10-1.5 X 25 (Fenders)	6
P.	Flat Washers 10mm (Fenders)	6
Q.	Lock Washers 10mm (Fenders)	6
R.	Hex Nuts M10-1.5 (Fenders)	6
S.	Seal Washers (Hydraulics)	5
T.	O-rings 15.8 X 2.4 P16 (Hydraulics)	2
U.	O-rings 11 X 2.4 P11.2 (Hydraulics)	2
V.	Teflon Tape (Hydraulics)	1
W.	Pressure Fitting (Hydraulics)	1
Χ.	Hitch Pin (Rear Landing Leg)	1
Y.	R-pin 3 X 55mm (Rear Landing Leg)	1
Z.	Cotter Pin 2 X 10mm (Control Lever)	1

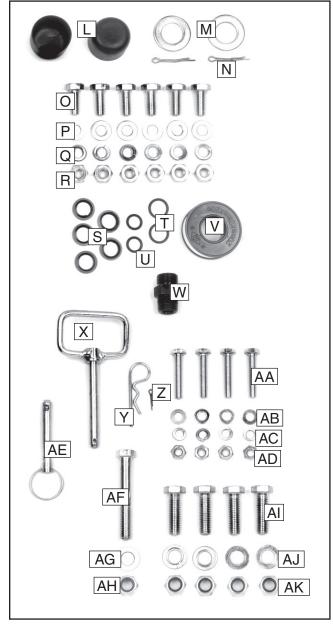


Figure 3. G0639 small parts inventory.



Assembly

To assemble the log splitter:

- Wipe a dab of multipurpose grease onto the spindle and wheel bushing, and with the valve stem facing outward, slide the wheel onto the axle until it stops. See towing warnings.
- 2. Place the 20mm flat washer onto the axle, then place the 3 x 30mm cotter pin through the hole in the spindle end (**Figure 4**).
- 3. Bend both cotter pin tangs so the wheel is held onto the axle, and tap the hubcap onto the wheel.

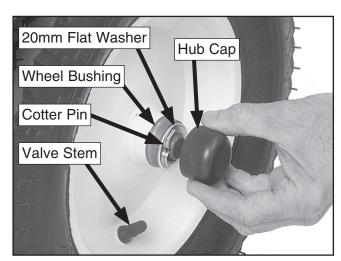


Figure 4. Attaching the wheels.

 Place the frame tube onto the hydraulic tank and secure it together with four M12-1.75 x 40 hex bolts, four flat washers, and the lock nuts as shown in Figure 5.

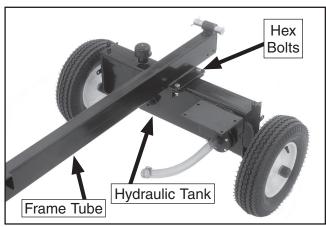


Figure 5. Frame tube and tank. Model G0639 22-Ton Hydraulic Log Splitter

- 5. Place the front leg into the receiver and insert the lock pin, as shown in **Figure 6**.
- 6. Install the tow ball receiver with its attached bolts, and use the attached M12-1.75 x 85 hex bolt, flat washer, and lock nut to install the safety chains as shown in **Figure 6**.

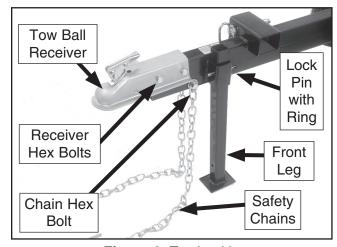


Figure 6. Towing kit.

 Place the fenders onto the hydraulic tank and secure them in place with the remaining M10-1.5 x 25 hex bolts, flat washers, lock washers, and nuts as shown in Figure 7.



Figure 7. Fender installation.

WARNING

The Model G0639 log splitter is not designed to be towed on logging roads, forest service roads, public roads, or highways. This machine is designed for job site towing only where maximum speed will not exceed 12 MPH. The log splitter must be transported between job sites on a trailer capable of carrying 1000 lbs.



- **8**. Install the rear leg onto the frame with the M10-1.5 x 75 pivot bolt, flat washer, and lock nut as shown in **Figure 8**.
- Raise the leg and lock it in place with the lock pin and 2 x 15mm cotter pin as shown in Figure 8.

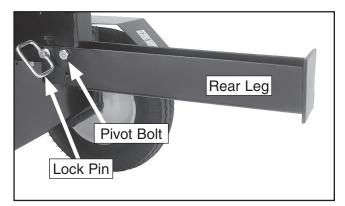


Figure 8. Rear leg installation.

10. This cylinder and beam assembly is top heavy, so loop a lifting strap rated for at least 1000 lbs through the front beam lock eyes at the location shown in Figure 9.



Figure 9. Main lifting location.

 Add additional lifting straps or chains as required for your lifting apparatus so the beam can be lifted without a sudden load shift.

- 12. Using a mechanical lifting device that can support at least 1000 lbs., lift the cylinder and beam assembly and secure it in the hinge with the hinge pin.
- **13**. Bend the hinge pin cotter pin so the hinge pin cannot fall out.

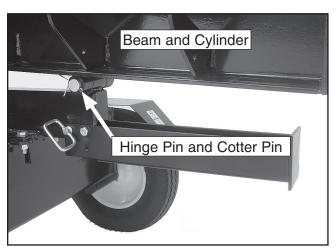


Figure 10. Beam and cylinder hinge pin.

14. Lock the beam in place in the horizontal position with the spring loaded lock pin shown in **Figure 11**.

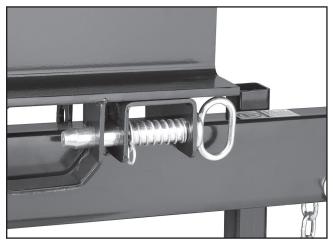


Figure 11. Beam lock.



15. Prepare the engine mounting plate by removing any dirt, paint chips, or foreign material, and place the engine onto the pad shown in Figure 12.

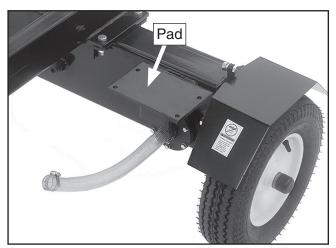


Figure 12. Engine mounting pad.

- **16**. Secure the engine with the four M8-1.25 x 45 hex bolts, flat washers, lock washers, and hex nuts as shown in **Figure 13**.
- **17**. Tighten the fasteners in an alternating pattern evenly, so you do not risk cracking the mounting flange shown in **Figure 13**.

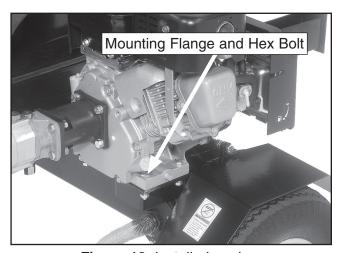


Figure 13. Installed engine.

18. Wrap the pressure-fitting pipe threads with Teflon tape as shown in **Figure 14**.

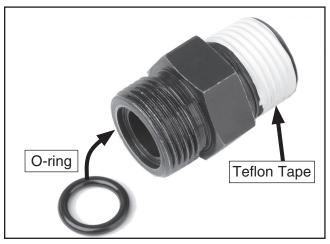


Figure 14. Pressure fitting.

- **19.** Wipe oil onto one of the 11 x 2.4mm O-rings and seat it into the O-ring seat in the end of the pressure fitting (**Figure 14**).
- 20. Remove the plastic cap from the pump pressure port and, add a couple of tablespoons of hydraulic oil into the pressure port (Figure 15).
- 21. Thread the Teflon tape end of the pressure fitting into this pump port, and tighten the fitting only until it is snug. **DO NOT** overtighten or you can crack the pump housing.

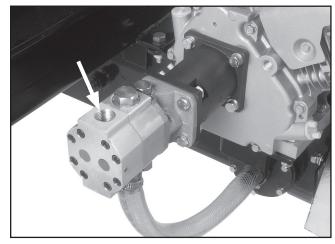


Figure 15. Pump pressure port.

Loosen the hose clamp, install the pump suction hose onto the pump suction port (Figure 15), and tighten the hose clamp.



23. Using a screwdriver, unthread the plastic plug from the high pressure hose (**Figure 16**).

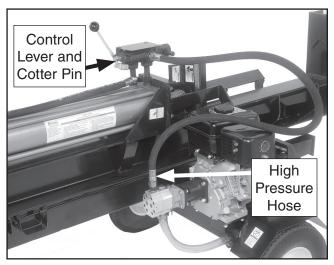


Figure 16. High pressure hose and control lever.

- **24**. Install the high pressure hose onto the pump pressure fitting (**Figure 16**), making sure the O-ring stays in place.
- **25**. Connect the control lever (**Figure 16**) to the control valve linkage with the clevis pin.
- **26**. Remove the plastic cap from the tank return fitting (**Figure 17**), oil and install an 11 x 2.4mm O-ring on the end of the fitting.
- Using a screwdriver, unthread the plastic plug from the low pressure return hose (Figure 17).
- 28. Install the low pressure return hose onto the tank return fitting (**Figure 17**), making sure the O-ring stays in place.

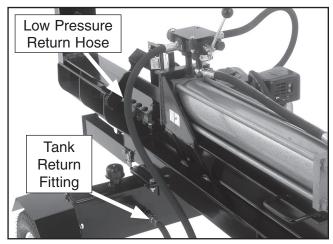


Figure 17. Low pressure hose and tank fitting.

29. Pull the tank vent cap (**Figure 18**) off, fill the hydraulic tank with 2.5 gallons of hydraulic oil, and reinstall the cap.

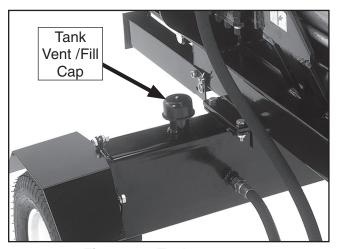


Figure 18. Tank vent cap.

30. Refer to the Briggs & Stratton owner's manual to select your required oil type, locate the fill plug (**Figure 19**), and fill the engine with the required engine oil.

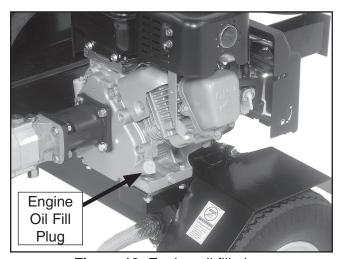


Figure 19. Engine oil fill plug.



Test Run/Break-In

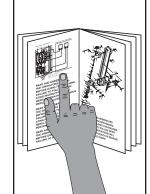
During this procedure do not leave the area.

To test run and break-in the log splitter:

- 1. Read and understand the Briggs & Stratton engine manual that accompanied this log splitter and follow all safety precautions.
- 2. Read and understand this entire manual and follow all safety precautions.
- **3.** Make sure the hydraulic tank and engine have been filled to the required oil levels.
- **4.** Start the engine and let it run at 75% throttle for one hour to break in the motor.
- 5. Move the control lever to cycle the log splitter ram back and forth periodically during the break-in process to bleed the hydraulic system and look for oil leaks. Do not operate the log splitter at full load until after the engine break-in has been completed.
- **6.** After the first 5 to 10 hours of initial operation, change the engine oil.

If any problem or oil leak is found, before you troubleshoot or correct the problem:

- 1. Shut the engine down immediately and let it cool for at least 15 minutes to prevent burn injuries.
- Disconnect the spark plug wire from the spark plug to prevent the possibility of accidental start-up.
- 3. If an oil leak is suspected or seen, DO NOT touch the area to find the leak. Move the control lever completely to the forward and backward positions to relieve any hydraulic pressure and prevent the possibility of any hydraulic injection fluid injury during repair.
- Refer to Troubleshooting on Page 22 for solutions, or call Technical Support at (570) 546-9663.



WARNING

This machine presents serious injury hazards to untrained users. Read through this entire manual and the Briggs & Stratton engine manual to become familiar with the controls and operations before starting engine and using the log splitter!



AWARNING

HYDRAULIC INJECTION HAZARD.

Hydraulic oil leaks can be under sufficient pressure to penetrate your skin and enter your bloodstream. If oil is injected into any part of your body, it is a medical emergency and may, if not treated immediately, result in severe infection, permanent disability, or even death.



SECTION 3: OPERATIONS

Operation Safety

AWARNING

Damage to your eyes and hearing could result from using this machine without proper protective gear. Always wear safety glasses and hearing protection, when operating this machine.







AWARNING

NEVER run the engine indoors such as in a garage, barn, carport, or storage shed even if it is ventilated. Engine exhaust is poisonous and can kill animals and you without warning.



AWARNING

Always wear gloves when operating this log splitter!

NOTICE

If you have never used this type of machine or equipment before, WE STRONGLY REC-OMMEND that you read books, trade magazines, or get formal training before beginning any projects. Regardless of the content in this section, Grizzly Industrial will not be held liable for accidents caused by lack of training.

Job Site Considerations

Work Location

Only use this log splitter outdoors, and never leave the area while the engine is running. **NEVER** run the engine indoors like in a garage, barn, carport, or storage shed even if it is ventilated. Engine exhaust is poisonous and can kill animals and you without warning.

Always use the splitter on a flat, stable work surface, and block the log splitter wheels so it cannot roll forward or backwards.

Position the log splitter in a well lit, flat area at least seven feet away from any dry leaves or combustibles, and at least 25 feet from any fresh air intake supplying working or living areas.

Working Clearances

Allow enough room on all sides to move logs to and from the splitter.

Keep your work zone clear of lumber to avoid tripping hazards while using the machine.



Transporting

WARNING

The Model G0639 log splitter is not designed to be towed on logging roads, forest service roads, public roads, or highways. This machine is designed for job site towing only where maximum speed will not exceed 12 MPH. The log splitter must be transported between job sites on a trailer capable of carrying 1000 lbs.

To tow the splitter:

- 1. Lower the log splitter cylinder and beam to the horizontal position and lock it in place.
- 2. Raise and lock the front and rear landing legs in the uppermost position with the lock pins.
- 3. Unlatch the receiver lock lever and place the receiver onto the tow ball.
- Make sure that the tow ball is fully seated inside of the receiver.
- Push down on the receiver lock lever until it pulls the lock tongue up against the underside of the tow ball and locks the tow ball and receiver together.
- **6**. Secure the safety chains to the tow vehicle and double check all your connections.
- Close the fuel shutoff valve on the engine carburetor.
- 8. Make sure that the engine gas cap is secure and that there are no tools or lumber still on the log splitter. Never allow any riders or cargo on this log splitter while towing.
- Tow this log splitter responsibly! Do not tow it while the engine is operating, and take precautions to make sure the machine will not tip over during towing, causing a fuel leak and possible fire.

Control Valve

When the engine is running and the control valve lever is in the neutral position (**Figure 20**), the hydraulic pump delivers hydraulic fluid at 8 GPM through the control valve and back into the hydraulic tank.

When you push the control lever to the forward position, the control valve diverts hydraulic fluid up to 3000 PSI to one side of the 4" splitter piston moving the splitter wedge into the log and splitting the log in half. The maximum distance of the wedge stroke is 24".

When you push the control lever to the full backward position, the lever locks in retract mode, and the control valve diverts the hydraulic fluid to the other side of the splitter piston. As a result, both of your hands are free to load the next log for splitting. When the ram fully retracts, the control lever automatically moves back to neutral, and the log splitter is ready to split another log.

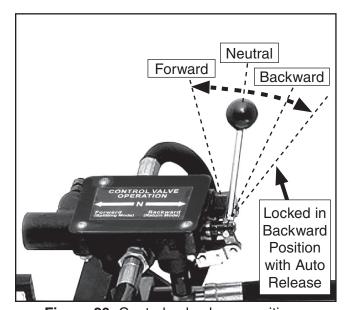


Figure 20. Control valve lever positions.



Splitting Logs

This log splitter is ONLY designed to split wood with the grain direction. DO NOT attempt to split or crush wood against the grain, or split brick, concrete blocks, or rock. If you do, you will damage the machine, void the warranty, and possibly severely injure or kill bystanders or yourself.

To operate the log splitter:

- Read and understand this entire manual and the Briggs & Stratton engine operators manual.
- 2. Verify that your job site location meets at least the minimum requirements for safety and use. Refer to **Job Site Considerations** on **Page 16** for details.
- **3.** Lower the rear landing leg and secure it in place with the lock pin.

- **4.** Move the ram and beam assembly to the vertical position and lock it in place with safety chain shown in **Figure 21**.
- Closely inspect all components and hydraulic lines for any evidence of damage, wear, or unsafe conditions; and correct before proceeding any further.
- **6.** Put on your safety glasses, hearing protection, and thick leather gloves.
- 7. Start the engine, and place the log to be split in the splitting cradle.
- **8.** Make sure bystanders are out of the work zone and the zone is clear of split lumber.
- **9.** While keeping hands clear of the splitting wedge, use the control lever to split the log, retract the wedge, and remove the split log from the work zone.

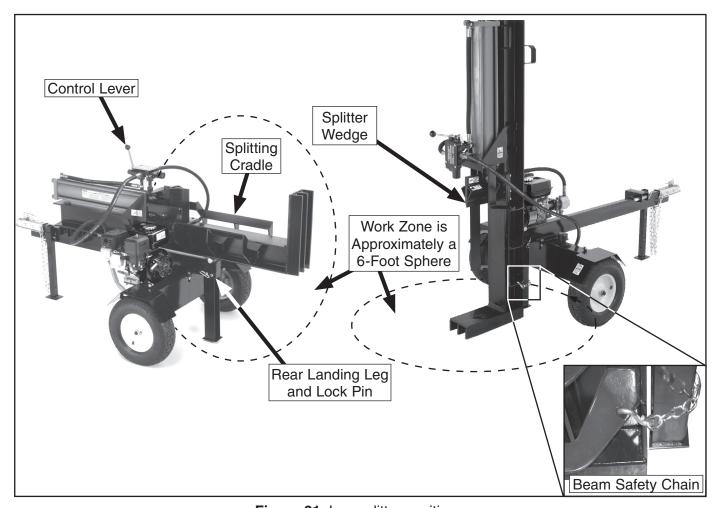
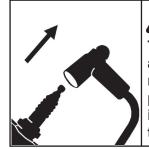


Figure 21. Log splitter positions.



SECTION 4: MAINTENANCE



WARNING

To reduce the risk of accidental start-up injury, disconnect the spark plug wire before performing adjustments or maintenance.

Cleaning

For optimum performance from your log splitter, clean it with a brush after every use and wipe it down occasionally with a rag.

Schedule

Follow the maintenance schedule below and refer to any specific instructions given in this section.

Before each use:

- Make sure hydraulic oil and engine oil levels are full
- Make sure leaks, kinks, or abrasions do not exist in hydraulic hoses or fuel lines.
- Inspect for loose or bent components.
- Inspect that safety features, and appropriate guards are working and are in place.

Every 150 hours of use:

• Clean hydraulic tank vent cap (Figure 22) with solvent, and let air dry, and reinstall.

As needed:

- Remove wheels and clean and relubricate wheel bushings with multipurpose grease at least every six months.
- Inspect for burnt-smelling, or tan-colored water contaminated hydraulic fluid. If contaminated, replace tank breather, clean tank filter/strainer, flush system, and replace fluid.
- Refer to the Briggs & Stratton engine manual for general engine maintenance schedules.

Checking/Adding Hydraulic Fluid

To check the hydraulic fluid level:

- Position the log splitter on level ground, lower the front landing leg, and lock the leg in place.
- 2. Wipe the vent cap with a clean rag and remove the vent cap shown in **Figure 22**.



Figure 22. Vent cap location.

- Shine a flashlight down into the vent port until you see hydraulic fluid. The fluid surface should be 1" from the top of the hydraulic tank as shown in Figure 23.
- 4. Add hydraulic fluid as required.

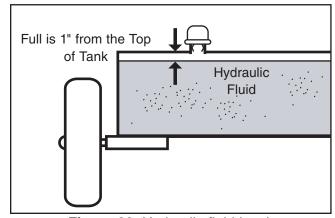


Figure 23. Hydraulic fluid level.



Changing Hydraulic Fluid

Inspect for burnt-smelling or tan-colored water contaminated hydraulic fluid. If contaminated, replace tank breather, clean tank filter/strainer, flush system, and replace fluid.



To change the hydraulic fluid:

- Chock the log splitter wheels to prevent it from rolling.
- 2. Place a 3-gallon or larger drain pan under the tank filter screen cover.
- 3. Loosen the screen cover hex bolts and carefully dislodge the cover slightly so the hydraulic fluid fills the drain pan (Figure 24).

Note: Do not lose the rubber gaasket in the drain pan.



Figure 24. Draining hydraulic fluid.

- 4. When the tank is empty, remove the bolts the rest of the way and then remove the tank screen.
- 5. Pull the tank vent off.
- 6. Clean the tank vent with mineral spirits and let air dry.
- Clean the tank screen with mineral spirits and blow dry with compressed air.
- 8. Inspect the screen and tank vent for any holes and replace if any damage exists.
- 9. Reach into the tank and wipe out as much residual fluid and contaminants as possible. We highly recommend that the tank be cleaned out with a pressure washer or steam cleaner and fully dried with compressed air for best results.
- Reinstall the tank screen, rubber gasket, and hose.
- **11**. Fill the tank with 2.5 gallons of hydraulic fluid and reinstall the tank vent cap.



Sharpening the Splitting Wedge



During the life of your log splitter, you will need to sharpen the splitting wedge periodically. When sharpening the wedge, keep in mind that if you try and keep the wedge sharpened to a razor point (like an axe blade), you will greatly reduce the life of the wedge by always sharpening it. However, if you allow the point to become very dull or bullnosed, your log splitter will have to overwork to split logs, which will decrease the lifespan of the splitter. The optimum point is somewhere between. Refer to **Figure 25** for a general idea.

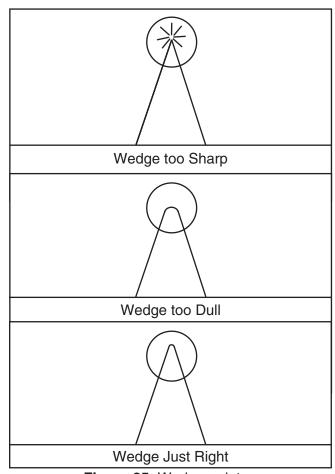


Figure 25. Wedge points.



SECTION 5: SERVICE

Review the troubleshooting and procedures in this section to fix or adjust your machine if a problem develops. If you need replacement parts or you are unsure of your repair skills, then feel free to call our Technical Support at (570) 546-9663. For engine troubleshooting and repair questions contact Briggs & Stratton at 1-800-233-3723, or www.briggandstratton.com.

Troubleshooting

Operation

Symptom	Possible Cause	Possible Solution
Engine won't start,	1. The fuel is stale or has water in it.	Replace with new regular grade gasoline.
hard to start, stalls, runs rough, smokes,	2. Engine oil is low or diluted.	2. Make sure the engine oil level is full, or change the engine oil.
or is underpowered.	3. Clogged air filter.	3. Replace air filter.
	4. Fuel shutoff valve or line is at fault.	4. Open the valve, replace the valve, replace fuel line.
	5. Choke linkage is at fault.	5. Make sure choke butterfly valve opens and closes fully with the throttle lever linkage.
	6. Spark plug wire or spark plug is at fault.	6. Replace spark plug wire or reconnect wire to spark plug. Repair for fuel or oil fowling spark plug, and replace spark plug.
	7. Carburetor is at fault, or has a vacuum leak.	7. Tighten loose carburetor, repair/replace leaking gas- kets/hoses and/or rebuild carburetor.
	8. Ignition is at fault.	8. Make sure the ignition switch is in the ON position, if no spark exists, replace the magneto unit.
	9. The engine has had it!	9. Rebuild or replace the engine.
Splitter wedge	Control lever linkage is at fault.	Repair bent or warn linkage to provide full travel.
moves forward	2. Hydraulic fluid is at fault.	2. Tank is empty or low, refill with hydraulic fluid.
and backwards too slowly, or does	3. Tank suction screen is clogged, or the suc-	3. Clean tank screen and service hydraulic system,
not move in either	tion line is drawing in air.	replace suction line and hose clamps.
direction.	4. Pump or pump relief is at fault.	4. Replace valve, flush and service hydraulic system.
	Hydraulic control valve at fault.	5. Replace ram assembly, and flush and service system.
	6. Damaged ram piston seals.	6. Replace ram assembly, and flush and service system.
Splitter wedge	Control lever linkage is at fault.	Repair bent or warn linkage to provide full travel.
moves forward too slowly or not	Wedge is at fault or unsuitable log for split- ting.	2. Sharpen wedge, and avoid splitting logs with twisted grain, a high moisture content, heavily knotted.
at all, but retracts correctly.	3. Hydraulic fluid is at fault.	3. Fill tank to required fluid level.
Concour.	4. Hydraulic control valve at fault.	4. Replace valve, flush and service hydraulic system.
	5. Damaged ram piston seals.	5. Replace ram assembly, and flush and service system.
Splitter wedge	Control lever linkage is at fault.	Repair bent or warn linkage to provide full travel.
retracts too slowly	2. Hydraulic control valve at fault.	2. Replace control valve.
or not at all, but moves forward correctly.	3. Damaged ram piston seals.	3. Replace ram assembly.



Hydraulic System Schematic

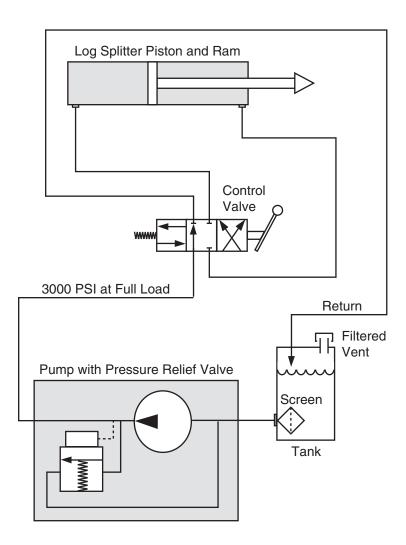


AWARNING

Before servicing the hydraulic system always disable the engine from starting, and depressurize the hydraulic system by moving the control lever back and fourth a few times. Ignoring this warning can lead to hydraulic fluid poisoning, which is a serious and potentially fatal injury.

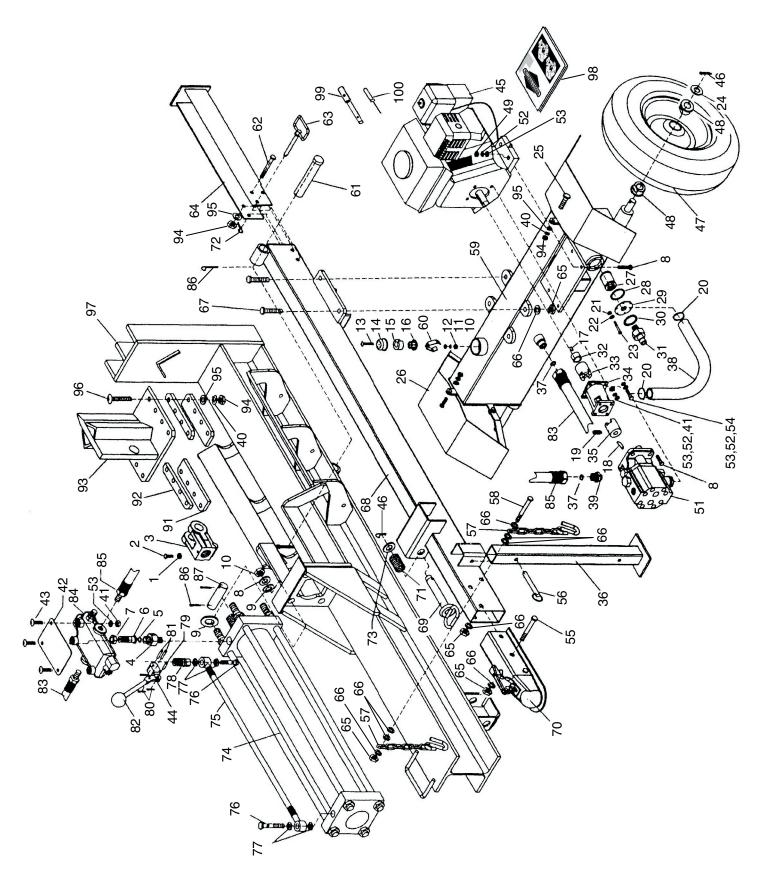
NOTICE

This hydraulic schematic will help you identify hydraulic system components. However, it is not intended to be a how-to repair guide. Seek assistance from a professional hydraulic technician whenever servicing or repairing the hydraulic system.





Hydraulic and Chassis Diagram





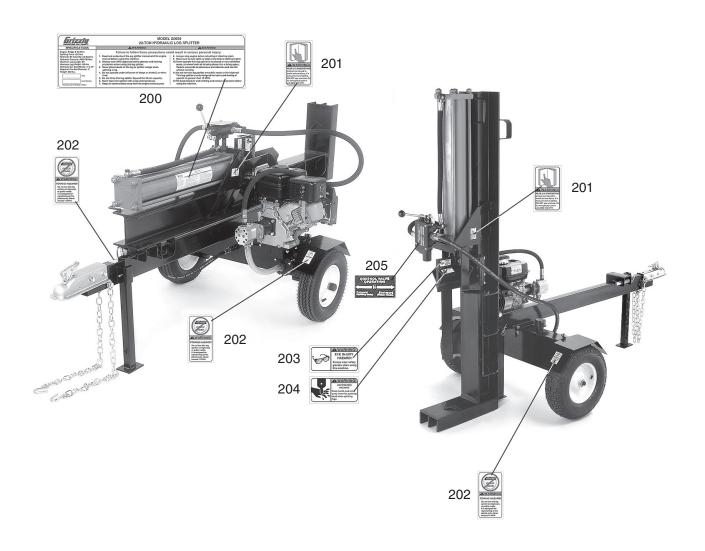
Parts List

1 PN03M HEX NUT M8-1.25 2 PB09M HEX BOLT M8-1.25 X 20 3 P0639003 PISTON ROD CONNECTOR 4 P0639004 FRONT COVER CONNECTOR 5 P0639005 O-RING 2.5 X 15 6 P0639006 VALVE JOINT 7 P0639007 FITTING NUT 8 PB118M HEX BOLT M8-1.25 X 45 9 P0639009 ADJUSTMENT WASHER 10 PLW02M LOCK WASHER 4MM 11 PW05M FLAT WASHER 4MM 12 PN04M HEX NUT M47 13 PS02M PHLP HD SCR M47 X 12 14 P0639014 OIL CAP 15 P0639015 SPONGE 16 P0639016 OIL CAP 17 P0639017 FLAT KEY 18 P0639018 WOODRUFF KEY 19 PS68M PHLP HD SCR M6-1 X 10 20 P0639020 2" HOSE CLAMP 21 PW03M FLAT WASHER 6MM 22	REF	PART #	DESCRIPTION
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20 P0639020 2" HOSE CLAMP 21 PW03M FLAT WASHER 6MM 22 PLW03M LOCK WASHER 6MM 23 PB123M HEX BOLT M16-2 X 20 24 PW13M FLAT WASHER 20MM 25 PB32M HEX BOLT M10-1.5 X 25 26 P0639026 FENDER 27 P0639027 FILTER 28 P0639028 GASKET 29 P0639029 HUB CAP 31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 X 45 42 P063904	18	P0639018	WOODRUFF KEY
21 PW03M FLAT WASHER 6MM 22 PLW03M LOCK WASHER 6MM 23 PB123M HEX BOLT M16-2 X 20 24 PW13M FLAT WASHER 20MM 25 PB32M HEX BOLT M10-1.5 X 25 26 P0639026 FENDER 27 P0639027 FILTER 28 P0639028 GASKET 29 P0639029 HUB CAP 31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 X 45 42 P0639042 PLATE 43 P0639044	19	PS68M	PHLP HD SCR M6-1 X 10
22 PLW03M LOCK WASHER 6MM 23 PB123M HEX BOLT M16-2 X 20 24 PW13M FLAT WASHER 20MM 25 PB32M HEX BOLT M10-1.5 X 25 26 P0639026 FENDER 27 P0639027 FILTER 28 P0639028 GASKET 29 P0639029 HUB CAP 31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044	20	P0639020	2" HOSE CLAMP
23 PB123M HEX BOLT M16-2 X 20 24 PW13M FLAT WASHER 20MM 25 PB32M HEX BOLT M10-1.5 X 25 26 P0639026 FENDER 27 P0639027 FILTER 28 P0639028 GASKET 29 P0639029 HUB CAP 31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 <td< td=""><td>21</td><td>PW03M</td><td>FLAT WASHER 6MM</td></td<>	21	PW03M	FLAT WASHER 6MM
24 PW13M FLAT WASHER 20MM 25 PB32M HEX BOLT M10-1.5 X 25 26 P0639026 FENDER 27 P0639027 FILTER 28 P0639028 GASKET 29 P0639029 HUB CAP 31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 <td>22</td> <td>PLW03M</td> <td>LOCK WASHER 6MM</td>	22	PLW03M	LOCK WASHER 6MM
25 PB32M HEX BOLT M10-1.5 X 25 26 P0639026 FENDER 27 P0639027 FILTER 28 P0639028 GASKET 29 P0639029 HUB CAP 31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47	23	PB123M	HEX BOLT M16-2 X 20
26 P0639026 FENDER 27 P0639027 FILTER 28 P0639028 GASKET 29 P0639029 HUB CAP 31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8)	24	PW13M	FLAT WASHER 20MM
27 P0639027 FILTER 28 P0639028 GASKET 29 P0639029 HUB CAP 31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING	25	PB32M	HEX BOLT M10-1.5 X 25
28 P0639028 GASKET 29 P0639029 HUB CAP 31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	26	P0639026	FENDER
29 P0639029 HUB CAP 31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 X 45 50 PB118M HEX BOLT M8-1.25 X 45<	27	P0639027	FILTER
31 P0639031 CONNECTOR 32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	28	P0639028	GASKET
32 P0639032 BUSHING 33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	29	P0639029	HUB CAP
33 P0639033 DRIVE HUB A 34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	31	P0639031	CONNECTOR
34 P0639034 HOUSING 35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	32	P0639032	BUSHING
35 P0639035 DRIVEN HUB B 36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	33	P0639033	DRIVE HUB A
36 P0639036 SUPPORT LEG 37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	34	P0639034	HOUSING
37 P0639037 O-RING 2.4 X 11 38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	35	P0639035	DRIVEN HUB B
38 P0639038 SUCTION HOSE 39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	36	P0639036	SUPPORT LEG
39 P0639039 OUTLET CONNECTOR 40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	37	P0639037	O-RING 2.4 X 11
40 PLW06M LOCK WASHER 10MM 41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	38	P0639038	SUCTION HOSE
41 P0639041 LOCKING HEX NUT M8-1.25 42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	39	P0639039	OUTLET CONNECTOR
42 P0639042 PLATE 43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	40	PLW06M	LOCK WASHER 10MM
43 P0639043 DOME HD SCR M8-1.25 X 45 44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	41	P0639041	LOCKING HEX NUT M8-1.25
44 P0639044 VALVE HANDLE CONNECTOR 45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	42	P0639042	PLATE
45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	43	P0639043	DOME HD SCR M8-1.25 X 45
45 P0639045 BRIGGS & STRATTON ENCINE 6.5HP 46 P0639046 COTTER PIN 4 X 30 47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	44	P0639044	
47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	45	P0639045	BRIGGS & STRATTON ENCINE 6.5HP
47 P0639047 WHELL W/TIRE (4.80/4.00-8) 48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45		P0639046	
48 P0639048 AXLE BUSHING 49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	47	P0639047	
49 PN03M HEX NUT M8-1.25 50 PB118M HEX BOLT M8-1.25 X 45	48	P0639048	
50 PB118M HEX BOLT M8-1.25 X 45		<u> </u>	
151 PU639051 PYDRAULIC PUMP	51	P0639051	HYDRAULIC PUMP

REF	PART #	DESCRIPTION
52	PLW04M	LOCK WASHER 8MM
53	PW01M	FLAT WASHER 8MM
54	PB07M	HEX BOLT M8-1.25 X 25
55	PB141M	HEX BOLT M12-1.75 X 80
56	P0639056	LOCK PIN
57	P0639057	SAFETY CHAIN W/HOOK
58	PB158M	HEX BOLT M12-1.75 X 90
59	P0639059	SUB FRAME
60	P0639060	BREATHER CAP CLIP
61	P0639061	HINGE PIN
62	P0639062	HEX BOLT M101.5 X 75
63	P0639063	HITCH PIN
64	P0639064	REAR SUPPORT LEG
65	P0639065	LOCKING HEX NUT M12-1.75
66	P0639066	FLAT WASHER M12
67	PB35M	HEX BOLT M12-1.75 X 40
68	P0639068	TOW BAR
69	P0639069	HITCH PIN
70	P0639070	2" BALL RECEIVER
71	P0639071	COMPRESSION SPRING
72	P0639072	R-PIN 3 X 55
73	PW13M	FLAT WASHER 20MM
74	P0639074	HYDRAULIC CYLINDER ASSEMBLY
75	P0639075	TRANSFER TUBE
76	P0639076	BOLT CONNECTOR
77	P0639077	SEALWASHER
78	P0639078	VALVE JOINER
79	P0639079	CLEVIS PIN 5 X 18
80	P0639080	ROLL PIN 2 X 10
81	P0639081	CLEVIS PIN 5 X 28
82	P0639082	VALVE HANDLE
83	P0639083	RETURN HOSE
	1	CONTROL VALVE ASSEMBLY
84	P0639084	
85	P0639085	PRESSURE HOSE COTTER PIN 4 X 40
86	P0639086	
87	P0639087	WEDGE PIN
88	PN29M	HEX NUT M18-2.5
89	PW18M	FLAT WASHER 18MM
90	PLW12M	LOCK WASHER 18MM
91	P0639091	KEEPER PLATE
92	P0639092	KEEPER SPACER
93	P0639093	WEDGE SLIDE
94	P0639094	HIGH NUT M10-1.5
95	PW06M	FLAT WASHER 12MM
96	P0639096	DOME HEAD BOLT M12-1.5 X 55
97	P0639097	BEAM W/FOOT
97-1	P0639097-1	SAFETY CHAIN
98	P0639098	ENGINE OWNERS MANUAL
99	P0639099	SPARK PLUG SOCKET WRENCH
100	P0639100	SOCKET WRENCH HANDLE



Safety Label Placement & Parts List



REF	PART #	DESCRIPTION
200	P0639200	MACHINE ID & WARNING LABEL
201	P0639201	READ MANUAL LABEL
202	P0639202	NON ROAD USE LABEL

REF	PART #	DESCRIPTION
203	P0639203	WEAR SAFETY GLASSES LABEL
204	P0639204	CRUSHING HAZARD LABEL
205	P0639205	HYDRAULIC CONTROLS LABEL

WARNING

Safety labels warn about machine hazards and ways to prevent injury. The owner of this machine MUST maintain the original location and readability of the labels on the machine. If any label is removed or becomes unreadable, REPLACE that label before using the machine again. Contact Grizzly at (800) 523-4777 or www.grizzly.com to order new labels.



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Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

To take advantage of this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number," which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.



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